

SPECIFICATION SHEET FOR CO SENSOR TYPE CO/SF-4E-S (4-Electrode CO Sensor with H₂ Compensation)

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 2'000 ppm
Maximum Overload	4'000 ppm
Inboard Filter	To remove acid gases and alcohol
Expected Operation Life	3 years in air
Output Signal	75 ± 25 nA/ppm
Resolution	1,0 ppm
Temperature Range	- 20 °C to 45 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T ₉₀ Response Time	< 40 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	-3 to + 10 ppm
Maximum Zero Shift (+20°C to +40°C)	ND
Expected Long Term Output Drift	< 2 % signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	0 or + 250 mV
Repeatability	< 2 % of signal
Output Linearity	Linear
Gain	1,0 to 2,5

CROSS-SENSITIVITY DATA

Interfering Gas	Cross-Sensitivity (%)
H ₂ S	0
SO ₂	0
NO	0
NO ₂	0
H ₂	< 2 % ¹⁾

¹⁾ After compensation

Performance data conditions:
20 °C, 50% RH and 1013 mbar

APPLICATIONS

CO Detection in CO/H₂-Mixtures
Emission Monitoring
Medical Applications

The data contained in this document is for guidance only. Membrapor AG accepts no liability for any consequential losses, injury or damage resulting from the use of this document or the information contained within it. The data is given for guidance only. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

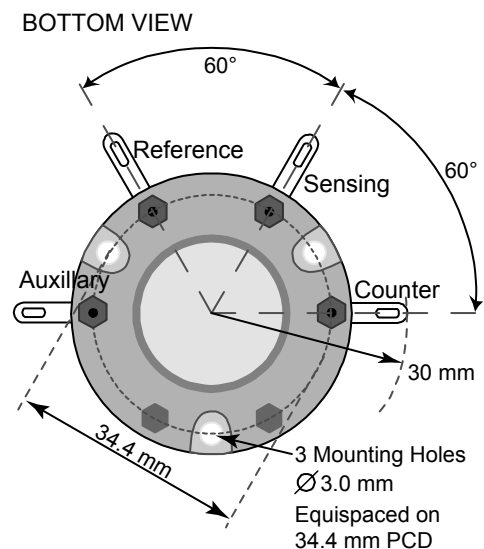
REV.: 1/2005

Phone: +41 43 311 72 00
Fax : +41 43 311 72 01
Email: info@membrapor.ch
www.membrapor.ch

PHYSICAL CHARACTERISTICS

Weight	~ 27 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Slim-Size Outline Dimensions



SIDE VIEW

